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## REQUEST FOR ACCESS TO AN APPLICATION UNDER 37 CFR 1.14(e)

In re Application of

Application Number

08/246,034

Filed

5/18/94

Art Unit

Examiner

Paper No. \_\_\_\_\_

Assistant Commissioner for Patents  
Washington, DC 20231

1.  I hereby request access under 37 CFR 1.14(e)(2) to the application file record of the above-identified ABANDONED Application, which is not within the file jacket of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE)

(A) referred to in:

United States Patent Application Publication No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_,

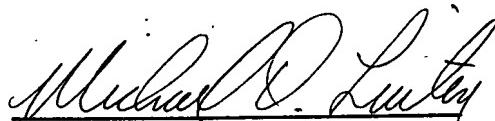
United States Patent Number 6509006, column Face, line \_\_\_\_\_, or

an International Application which was filed on or after November 29, 2000 and which

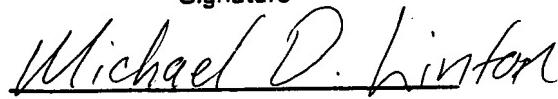
designates the United States, WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

(B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11(b) or 1.14(e)(2)(i), i.e., Application No. \_\_\_\_\_, paper No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_.

2.  I hereby request access under 37 CFR 1.14(e)(1) to an application in which the applicant has filed an authorization to lay open the complete application to the public.



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Unit: \_\_\_\_\_



US006509006B1

(12) **United States Patent**  
Platz et al.

(10) **Patent No.:** US 6,509,006 B1  
(45) **Date of Patent:** Jan. 21, 2003

(54) **DEVICES COMPOSITIONS AND METHODS FOR THE PULMONARY DELIVERY OF AEROSOLIZED MEDICAMENTS**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/427,075

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 08/417,507, filed on Apr. 4, 1995, now abandoned, and a continuation of application No. 08/383,475, filed on Feb. 1, 1995, and a continuation of application No. 08/313,707, filed on Sep. 27, 1994, and a continuation of application No. 08/309,691, filed on Sep. 21, 1994, and a continuation of application No. 08/246,034, filed on May 18, 1994, and a continuation of application No. 08/232,849, filed on Apr. 25, 1994, and a continuation of application No. 08/044,358, filed on Apr. 7, 1993, and a continuation-in-part of application No. 07/910,048, filed on Jul. 8, 1992.

(51) Int. Cl.<sup>7</sup> ..... A61K 9/12; A61K 9/14

(52) U.S. Cl. ..... 424/46; 424/45; 424/489

(58) Field of Search ..... 424/45, 46, 489

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*Primary Examiner*—Jose' G. Dees*Assistant Examiner*—Mina Haghighatian(74) *Attorney, Agent, or Firm*—Burns Doane Swecker & Mathis LLP(57) **ABSTRACT**

According to the subject invention, dispersible dry powder pharmaceutical-based compositions are provided, including methods for their manufacture and dry powder dispersion devices. A dispersible dry powder pharmaceutical-based composition is one having a moisture content of less than about 10% by weight (% w) water, usually below about 5% w and preferably less than about 3% w; a particle size of about 1.0–5.0  $\mu\text{m}$  mass median diameter (MMD), usually 1.0–4.0  $\mu\text{m}$  MMD, and preferably 1.0–3.0  $\mu\text{m}$  MMD; a delivered dose of about >30%, usually >40%, preferably >50%, and most preferred >60%; and an aerosol particle size distribution of about 1.0–5.0  $\mu\text{m}$  mass median aerodynamic diameter (MMAD), usually 1.5–4.5  $\mu\text{m}$  MMAD, and preferably 1.5–4.0 MMAD. Such composition are of pharmaceutical grade purity.

**2 Claims, No Drawings**